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Term: l1 with polymer

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Search History

DATE: Sunday, January 23, 2005 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ			
L9	L8 and l7	51	L9
L8	dna or nucleic or gene or plasmid	399818	L8
L7	l1 and l2	67	L7
L6	l1 same l2	8	L6
L5	polymeric matrix same l1	0	L5
L4	l1 with polymer	15	L4
L3	L2 same l1	8	L3
L2	microparticle or microsphere or matrix or microcapsule or nanoparticle	710983	L2
L1	PEG-DSPE	131	L1

END OF SEARCH HISTORY

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L4: Entry 13 of 15 File: USPT Apr 17, 2001

US-PAT-NO: 6217886
DOCUMENT-IDENTIFIER: US 6217886 B1

TITLE: Materials and methods for making improved micelle compositions

DATE-ISSUED: April 17, 2001

US-CL-CURRENT: 424/401; 264/4.1, 264/4.3, 264/4.6, 424/1.21, 424/450, 424/9.321, 424/9.51, 514/2, 514/21, 514/937

APPL-NO: 09/ 239069 [PALM]
DATE FILED: January 27, 1999

PARENT-CASE:
This application is a continuation-in-part of International Application Number PCT/US98/14316, filed Jul. 9, 1998, which claims the priority benefit under 37 U.S.C. 119(e) of U.S. Provisional Application Ser. No. 60/052,078, filed Jul. 14, 1997.

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L4: Entry 13 of 15 File: USPT Apr 17, 2001

US-PAT-NO: 6217886
DOCUMENT-IDENTIFIER: US 6217886 B1

TITLE: Materials and methods for making improved micelle compositions

DATE-ISSUED: April 17, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Onyuksel; Hayat	Western Springs	IL		
Rubinstein; Israel	Highland Park	IL		

US-CL-CURRENT: 424/401; 264/4.1, 264/4.3, 264/4.6, 424/1.21, 424/450, 424/9.321, 424/9.51, 514/2, 514/21, 514/937

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L3: Entry 7 of 8 File: USPT Oct 12, 2004

US-PAT-NO: 6803053
DOCUMENT-IDENTIFIER: US 6803053 B2

TITLE: Lipidic microparticles linked to multiple proteins

DATE-ISSUED: October 12, 2004

US-CL-CURRENT: 424/450; 530/350, 530/411

APPL-NO: 10/ 177939 [PALM]
DATE FILED: June 21, 2002

PARENT-CASE:
CROSS REFERENCE TO RELATED APPLICATIONS This application is a continuation of U.S. patent application Ser. No. 09/765,107, filed Jan. 16, 2001, which is a continuation of U.S. patent application Ser. No. 09/076,618, filed May 12, 1998, now U.S. Pat. No. 6,210,707, which was a continuation-in-part of U.S. patent application Ser. No. 08/967,791, filed Nov. 10, 1997, now U.S. Pat. No. 6,071,533 which claims the benefit of U.S. Provisional Patent Application No. 60/030,578, filed Nov. 12, 1996. The contents of all of these applications are hereby incorporated by reference.

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d his

     (FILE 'HOME' ENTERED AT 15:26:01 ON 23 JAN 2005)

     FILE 'MEDLINE, EMBASE, CANCERLIT, CAPLUS, BIOSIS, BIOTECHDS' ENTERED AT
     15:26:26 ON 23 JAN 2005
L1        912428 S LIPID OR LIPOSOME OR AMPHIPHILE
L2       1171212 S MICROPARTICLE OR NANOPARTICLE OR NANOSPHERE OR MICROSPHERE OR
L3          9662 S L2 AND L1
L4       5933797 S DNA OR NUCLEIC OR PLASMID OR GENE OR POLYNUCLEOTIDE
L5          1638 S L4 AND L3
L6           357 S PEG-DSPE
L7            15 S L6 AND L5
L8            11 DUP REM L7 (4 DUPLICATES REMOVED)
L9           850 S L5 NOT LIPOSOME
L10            3 S PKA AND L9
L11           21 S L6 AND L2 AND L4
L12           15 DUP REM L11 (6 DUPLICATES REMOVED)
L13            8 S L12 NOT LIPOSOME

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L13 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2001:241683 CAPLUS
DN 134:271256
TI Methods of forming protein-linked lipidic microparticles, and compositions thereof
IN Papahadjopoulos, Demetrios; Hong, Keelung; Zheng, Weiwen; Kirpotin, Dmitri B.
PA The Regents of the University of California, USA
SO U.S., 26 pp., Cont.-in-part of U.S. Ser. No. 967,791.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6210707	B1	20010403	US 1998-76618	19980512
	US 6071533	A	20000606	US 1997-967791	19971110
	CA 2330741	AA	19991118	CA 1999-2330741	19990511
	WO 9958694	A1	19991118	WO 1999-US10375	19990511
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	AU 9939834	A1	19991129	AU 1999-39834	19990511
	AU 770111	B2	20040212		
	EP 1078079	A1	20010228	EP 1999-922950	19990511
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	JP 2002514432	T2	20020521	JP 2000-548485	19990511
	US 6410049	B1	20020625	US 1999-420908	19991020
	US 2002001612	A1	20020103	US 2001-765107	20010116
	US 6528087	B2	20030304		
	US 2002182249	A1	20021205	US 2002-121962	20020412
	US 2003003143	A1	20030102	US 2002-177939	20020621
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PRAI	US 1996-30578P	P	19961112		
	US 1997-967791	A2	19971110		
	US 1998-76618	A	19980512		
	WO 1999-US10375	W	19990511		
	US 1999-420908	A1	19991020		
	US 2001-765107	A1	20010116		
	US 2002-177939	A1	20020621		

AB The present invention provides for lipid/**nucleic** acid complexes that have increased shelf life and high transfection activity in vivo following i.v. injection, and methods of preparing such complexes. The methods generally involve contacting a **nucleic** acid with an organic polycation to produce a condensed **nucleic** acid, and then combining the condensed **nucleic** acid with a lipid comprising an amphiphilic cationic lipid to produce the lipid/**nucleic** acid complex. This complex can be further stabilized by the addition of a hydrophilic **polymer** attached to hydrophobic side chains. The complex can also be made specific for specific cells, by incorporating a targeting moiety such as an Fab' fragment attached to a hydrophilic **polymer**. The present invention further relates to lipidic microparticles with attached proteins which have been first conjugated to linker mols. having a hydrophilic **polymer** domain and a hydrophobic domain capable of stable association with the

microparticle, or proteins which have been engineered to contain a hydrophilic domain and a lipid moiety permitting stable association with the **microparticle**. For example, maleimido-propionylantido-PEG-distearoylphosphatidylethanolamine (Mal-**PEG-DSPE**) was prepared, conjugated with a single chain Fv antibody reactive against HER2 oncoprotein, and formulated into immunoliposomes for targeting of HER2-overexpressing human breast cancer cells.